

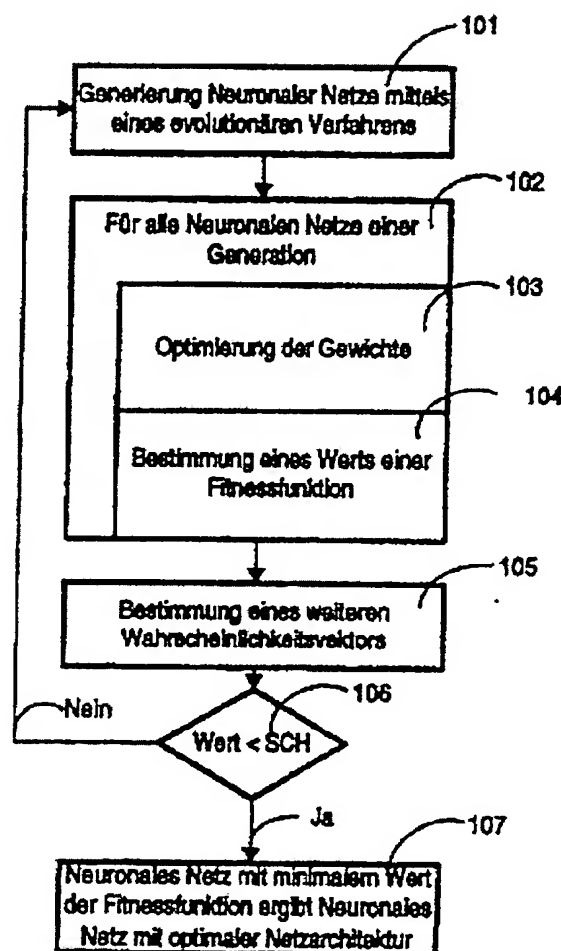
Iterative determination of optimised network architecture of neural network by computer

Patent number: DE19610849
Publication date: 1997-10-16
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Classification:
- International: G06N3/10; G06N3/00; (IPC1-7): G06F15/18; G06F17/10
- european: G06N3/10S
Application number: DE19961010849 19960319
Priority number(s): DE19961010849 19960319

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Abstract of DE19610849

The method involves performing iterations by computer. In each iteration step, neural nets of different architectures are generated using a probability vector and an evolutionary method in which each vector component probability is described to form neurons and/or neuron links. For each neural net, a weighting vector is optimised using a training data set and a fitness function determined for the optimised weighting vector. The optimised network architecture of a neural net results from the neural net with a minimal fitness function value if the value lies below a defined level. A further probability vector is determined for generating neural nets in a further iteration step taking into account the value of the fitness function, if the value is not below the defined level.



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